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**(54) BONE FIXATION PIN AND MANUFACTURE
THEREOF**

of the plastic part.

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(57) Abstract:

PROBLEM TO BE SOLVED: To fix an ossicle or an artifact to a bone without losing easiness in curing fracture or osteotomy, by using an oriented bone fixation pin with properties that the cross section area of at least a part in the longitudinal direction is increased by deforming or heating.

SOLUTION: A lower hole to be inserted by a bone fixation pin is bored on bone fractures 21, 22 and plastic parts 12 in the tip end side and the base end side are inserted so as to clamp a tip end side fracture 22 and a base end side fracture 21 respectively. After inserting a bone fixture pin 1 is inserted, the cross section area of the tip end side plastic part 11 is increased by external force or heat to form an anchor part 32. After that, drawing the last end of the base end of the bone fixture pin 1, the anchor part 31 is formed and fixed onto the plastic part 11 by external force and heat. Thereby the anchor can be fixed with a bone without a gap. A biodegradable polymer such as polyhydroxy lactic acid, etc., is preferable as the constituting material

